

# ABSTRACT OF THE DISCLOSURE

A fuel cell system includes a fuel tank configured to store a fuel at a pressure higher than atmospheric pressure;  
5 a vaporizer configured to vaporize the fuel; a reformer configured to reform the vaporized fuel into a hydrogen rich gas; a CO gas removal apparatus configured to remove CO gas in the hydrogen rich gas; and a cell unit configured to generate electricity by allowing the hydrogen rich gas to  
10 react with oxygen.